ZHM2324-25
HIGH POWER AMPLIFIER
2300 MHz – 2400 MHz

This is a high power broadband amplifier for labs or testing purposes. This amplifier is excellent for 2300 MHz- 2400 MHz. The gain is over 25 dB. The maximum power is 25 W. Minimum required driving power is 50 mW. This amplifier is recommended for testing, labs, Space research, Mil applications etc.

Dimensions: 7.56 " X 3.15 " X 0.87 ".

Technical Specifications	
Frequency range	2300..2400 MHz
Input power for P1dB	min. 18 dBm
Maximum input power	+21,7 dBm
Output power P1dB	typ. 44 dBm, min. 43.6 dBm
	typ. 25 W, min. 23 W
Output power P3dB	typ. 44.3 dBm, min. 44 dBm
Output power COFDM (1)	min. 38.4 dBm (1)
	min. 7 W
Gain (small signal)	min. 25 dB
Gain flatness (small signal)	typ. +/- 1 dB
Harmonic rejection	min. 35 dB @ 43 dBm
IM3 (2)	min. 33 dBc @ 40 dBm PEP
Efficiency	min. 33 dB @ 43 dBm
Input return loss (S11)	min. 10 dB
ON voltage	+5 ... 14 V DC
Supply voltage	+12 ... 14 V DC
Quiescent current	typ. 1.3 A
Current consumption @ P1dB	typ. 4 A
Forward detection	yes (diode detector)
VSWR of load	max. 1.8 : 1
Operating case temp. range	-20 ... +55 °C
Input connector / impedance	SMA-female / 50 ohms
Output connector / impedance	SMA-female, 50 ohms
Case	milled aluminium
Dimensions (mm)	7.56” X 3.15” X 0.87”
Weight	500 g (typ.)

(1)	Measured with QAM 64, single carrier, EVM: 2%
(2)	Measured 2-tone, frequency spacing: 1 MHz